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|------------------------------|---------------------------|--------------------|---|
| <b>X3A2 SAFETY CHECKLIST</b> |                           |                    | BROOKHAVEN NATIONAL LABORATORY<br>NATIONAL SYNCHROTRON LIGHT SOURCE |
| <b>Rev: A</b>                | <b>Effective: 4/13/03</b> | <b>Page 1 of 1</b> | Number: LS-SCL-0007   |
| Reviewed by: Thomas McDonald |                           | Reviewed by:       | <b>Approved by: A. Ackerman</b>                                     |

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- ☐ 1. Valid Padlock checklist
- ☐ 2. Exclusion Zone (EZ #1) from shield wall to Bremsstrahlung shield (BS #1) as per photo.
- ☐ 3. Beam Pipe, Vacuum Bellows wrapped in lead (SS #1).
- ☐ 4. Bremsstrahlung shield (BS #1) in place and banded as per photo.
- ☐ 5. (2) Viewports on monochromator in place. Must see 'LEAD GLASS' label when looking into tank.
- ☐ 6. Purge and Fill Log on monochromator flange shows that monochromator has been purged properly since the last time up to air.
- ☐ 7. Monochromator Moisture Monitor (located next to monochromator flange) reads <700PMv (PPM by volume).
- ☐ 8. Monochromator He Bubbler (located next to monochromator flange) indicates 3-5 bubbles per second.
- ☐ 9. Bremsstrahlung shield (BS # 2) in place and banded as per photo.
- ☐ 10. Vacuum Bellows A1 branch line wrapped in lead.
- ☐ 11. Vacuum Bellows upstream of mirror tank must be wrapped in lead.
- ☐ 12. Vacuum Bellows downstream of mirror tank must be wrapped in lead

Checked by: \_\_\_\_\_ Date: \_\_\_\_\_

OPCO: \_\_\_\_\_ Date: \_\_\_\_\_